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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/626,232	07/24/2003	Tushar Raval	CE09386R	1289

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EXAMINER	
PEREZ, JULIO R	

ART UNIT	PAPER NUMBER
2681	

DATE MAILED: 03/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/626,232	RAVAL ET AL.	
	Examiner	Art Unit	
	Julio R. Perez	2681	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *24 July 2003*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-23* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-23* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date *03/29/04*.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) The invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-23 are rejected under 35 U.S.C. 102(e) as being anticipated by Cheng et al. (hereinafter Cheng), [2003/0224774].

Regarding claim 1, Cheng discloses in a packet data communication system comprising a source base station subsystem (BSS), a target BSS, and a mobile station serviced by the source BSS, a method for detecting a cell reselection without an intervention of a Serving GPRS Support Node (SGSN) comprising steps of: maintaining a record of at least one active mobile station (0006-0010); receiving, from a mobile station of the at least one active mobile station, a message requesting allocation of a communication channel at the target BSS (0006, 0010, a request for channel allocation is received); in response to receipt of the communication channel allocation request, allocating a communication channel at the target BSS to the mobile station (0006, lines 6-12; 0010, when requesting to make a change to another cell, a request is received fro channel allocation); informing the mobile station of the allocated communication channel (0010); receiving, by the target BSS from the mobile station, uplink data that includes a

mobile station identifier associated with the mobile station (0010); and determining, based on the uplink data and by reference to the record, that the mobile station has initiated a cell reselection (0011).

Regarding claim 2, Cheng discloses, further comprising a step of, upon determining that the mobile station has initiated a cell reselection, removing data stored in a buffer associated with the mobile station and the source base station subsystem (0011).

Regarding claim 3, Cheng discloses, wherein the step of removing data comprises a step of deleting data stored in a buffer associated with the mobile station and the source base station subsystem (0011).

Regarding claim 4, Cheng discloses, further comprising a step of, upon determining that the mobile station has initiated a cell reselection, terminating an allocation of a communication channel to the mobile station at the source base station subsystem (0006, 0010-0011).

Regarding claim 5, Cheng discloses, further comprising a step of acknowledging the uplink data (0009-0011).

Regarding claim 6, Cheng discloses, wherein the uplink data comprises first uplink data, and wherein the method further comprises steps of: receiving second uplink data from the mobile station, wherein the second uplink data does not include the mobile station identifier included in the first uplink data (0006, 0010-0011); and routing the second uplink data to a Serving GPRS Support Node (0006, 0010-0011).

Regarding claim 7, Cheng discloses, further comprising a step of determining, by the Serving GPRS Support Node and based on the second uplink data, that the mobile station has initiated a cell reselection (0006, 0010-0011).

Regarding claim 8, Cheng discloses, in a packet data communication system comprising a source base station subsystem (BSS), a target BSS, and a mobile station serviced by the source BSS, a method for detecting a cell reselection without an intervention of a Serving GPRS Support Node (SGSN) comprising steps of: maintaining a record of at least one active mobile station (0006-0010); receiving, from a mobile station of the at least one active mobile station, a message requesting allocation of a communication channel at the target BSS (0006, 0010, a request for channel allocation is received); in response to receipt of the communication channel allocation request, allocating a communication channel at the target BSS to the mobile station (0006, 0010); informing the mobile station of the allocated communication channel (0010); initiating a count down of a predetermined time period (0010, lines 17-22, 41-50); and when no uplink data is received via the source BSS after the initiation of the count down and prior to the expiration of the predetermined time period, determining that the mobile station has performed a cell reselection (0006, 0010-0011).

Regarding claim 9, Cheng discloses, further comprising a step of when uplink data is received via the source base station subsystem after the initiation of the count down and prior to the expiration of the predetermined time period, determining that the mobile station is still serviced by the source base station subsystem (0006, 0010-0011).

Regarding claim 10, Cheng discloses, further comprising a step of, when no uplink data is received via the source BSS after the initiation of the count down and prior to the expiration of the predetermined time period, removing data from a buffer associated with the mobile station and the source BSS (0006, 0010-0011).

Regarding claim 11, Cheng discloses, wherein the step of removing data comprises a step of deleting data stored in a buffer associated with the mobile station and the source base station subsystem (0011).

Regarding claim 12, Cheng discloses, further comprising a step of, when no uplink data is received via the source base station subsystem and the initiation of the count down and prior to the expiration of the predetermined time period, terminating an allocation of communication resources to the mobile station at the source base station subsystem (0006, 0010-0011).

Regarding claim 13, Cheng discloses a packet control unit comprising: a memory device that maintains a record of at least one active mobile station (0006-0010); and a processor operably coupled to the memory device that receives, from a mobile station of at least one active mobile station, a message requesting allocation of a communication channel at a target base station subsystem (BSS), allocates a communication channel at the target BSS to the mobile station (0006, 0010, a request for channel allocation is received), informs the mobile station of the allocated communication channel (0010), receives, from the mobile station and via the target BSS, uplink data (0006-0010-0011), and determines, based on the uplink data and by

reference to the record, that the mobile station has initiated a cell reselection (0006-0010-0011).

Regarding claim 14, Cheng discloses, further comprising a buffer operably coupled to the processor, wherein the buffer is associated with the mobile station and with a source base station subsystem and wherein, upon determining that the mobile station has initiated a cell reselection, the processor removes data stored in the buffer (0006, 0010-0011).

Regarding claim 15, Cheng discloses, wherein the processor removes data from the buffer by deleting the data stored in the buffer (0006, 0010-0011).

Regarding claim 16, Cheng discloses, wherein the buffer associated with the mobile station and with a source base station subsystem comprises a first buffer and wherein the processor removes data from the buffer by transferring the data to a second buffer associated with the mobile station and with the target base station subsystem (0006, 0010-0011).

Regarding claim 17, Cheng discloses, wherein the processor, upon determining that the mobile station has initiated a cell reselection, further causes a termination of an allocation of a communication channel to the mobile station at the source base station subsystem (0006, 0010-0011).

Regarding claim 18, Cheng discloses, wherein the processor further acknowledges the uplink data (0006, 0010-0011).

Regarding claim 19, Cheng discloses, wherein the uplink data comprises first uplink data, wherein the packet control unit receives second uplink data from the mobile

station, wherein the second uplink data does not include the mobile station identifier included in the first uplink data, and wherein the processor further routes the second uplink data to a Serving GPRS Support Node (0006, 0010-0011).

Regarding claim 20, Cheng discloses, a packet control unit comprising: a memory device that maintains a record of at least one active mobile station (0006-0010); a timer (0010, lines 17-22, 41-50); and a processor operably coupled to each of the memory device and the timer that receives, from a mobile station of at least one active mobile station (0006, 0010-0011), a message requesting allocation of a communication channel at a target base station subsystem (BSS) (0006, 0010-0011), allocates a communication channel at the target BSS to the mobile station (0006, 0010-0011), initiates a count down of a predetermined time period with reference to the timer and (0006, 0010-0011), when no uplink data is received by the packet control unit via the source base station subsystem after the initiation of the count down and prior to the expiration of the predetermined time period, determines that the mobile station has performed a cell reselection (0006, 0010-0011).

Regarding claim 21, Cheng discloses, wherein, when uplink data is received via a source base station subsystem after the initiation of the count down and prior to the expiration of the predetermined time period, the processor further determines that the mobile station is still serviced by the source base station subsystem (0006, 0010-0011).

Regarding claim 22, Cheng discloses, wherein, when no uplink data is received via the source base station subsystem after the initiation of the count down and prior to the expiration of the predetermined time period, the processor further removes data

from a buffer associated with the mobile station and the source base station subsystem (0006, 0010-0011).

Regarding claim 23, Cheng discloses, wherein a when no uplink data is received via the source base station subsystem after the initiation of the count down and prior to the expiration of the predetermined time period, the processor further causes a termination of an allocation of communication resources to the mobile station at the source base station subsystem (0006, 0010-0011).

Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julio R. Perez whose telephone number is (571) 272-7846. The examiner can normally be reached on 7:00 - 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Joseph H. Feild can be reached on (571) 272- 4090. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Julio R Perez
Examiner
Art Unit 2681

3/2/06

JOSEPH FEILD
SUPERVISORY PATENT EXAMINER